



## Safety Data Sheet

### TEMPRID® READY SPRAY INSECTICIDE

SDS Number: 102000026544

SDS Version 1.0

Revision Date: 10/15/2012

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## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<b>Product name</b>	TEMPRID® READY SPRAY INSECTICIDE
<b>SDS Number</b>	102000026544
<b>Product code (UVP)</b>	80951701
<b>EPA Registration No.</b>	432-1527
<b>Product Use</b>	Insecticide

Bayer Environmental Science  
2 T.W. Alexander Drive  
Research Triangle PK, NC 27709  
USA

For MEDICAL, TRANSPORTATION or other EMERGENCY call: 1-800-334-7577 (24 hours/day)  
For Product Information call: 1-800-331-2867

## SECTION 2. HAZARDS IDENTIFICATION

*NOTE: Please refer to Section 11 for detailed toxicological information.*

**Emergency Overview** Keep out of the reach of children. Avoid inhalation of vapour or mist. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

**Physical State** Liquid

**Odor** slight

**Appearance** white to beige

**Exposure routes** Inhalation, Skin contact, Eye contact, Ingestion

### Immediate Effects

**Eye** May cause eye irritation. Avoid contact with eyes.

**Skin** May cause slight irritation. Avoid contact with skin and clothing.

**Ingestion** Do not take internally.

**Inhalation** Avoid contact or inhalation of spray mist.

**Potential Environmental Effect** Extremely toxic to fish and aquatic invertebrates. Highly toxic to bees.



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#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Component Name</u>	<u>CAS-No.</u>	<u>Average % by Weight</u>
Imidacloprid	138261-41-3	0.05
Beta-Cyfluthrin	68359-37-5	0.025
Glycerine	56-81-5	0.024

#### SECTION 4. FIRST AID MEASURES

<b>General</b>	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment.
<b>Eye</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
<b>Skin</b>	Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.
<b>Inhalation</b>	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.
<b>Notes to physician Treatment</b>	Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote.

#### SECTION 5. FIRE FIGHTING MEASURES

<b>Flash point</b>	> 93.3 °C / 199.9 °F Test type: closed cup
<b>Autoignition temperature</b>	no data available
<b>Lower Flammability Limit</b>	no data available
<b>Upper Flammability Limit</b>	no data available
<b>Explosiveness</b>	no data available



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<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Fire Fighting Instructions</b>	<p>Avoid contact with spilled product or contaminated surfaces. Evacuate personnel to safe areas. Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.</p> <p>Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.</p>

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
<b>Additional advice</b>	Use personal protective equipment. Do not allow to enter soil, waterways or waste water canal.

## SECTION 7. HANDLING AND STORAGE

<b>Handling procedures</b>	<p>Handle and open container in a manner as to prevent spillage. Maintain exposure levels below the exposure limit through the use of general and local exhaust ventilation.</p> <p>Keep away from heat and sources of ignition.</p>
<b>Storing Procedures</b>	Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.
<b>Work/Hygienic Procedures</b>	<p>Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Smoking, eating and drinking should be prohibited in the application area.</p> <p>Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.</p>



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#### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General Protection</b>	Follow all label instructions. Train employees in safe use of the product.  Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.
<b>Eye/Face Protection</b>	Tightly fitting safety goggles
<b>Hand protection</b>	Chemical resistant nitrile rubber gloves
<b>Body Protection</b>	Wear long-sleeved shirt and long pants and shoes plus socks.
<b>Respiratory protection</b>	When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

#### Exposure Limits

Imidacloprid	138261-41-3	OES BCS*	TWA	0.7 mg/m <sup>3</sup>
		TX ESL	AN ESL	5 ug/m <sup>3</sup>
		TX ESL	ST ESL	50 ug/m <sup>3</sup>
Beta-Cyfluthrin	68359-37-5	TX ESL	ST ESL	50 ug/m <sup>3</sup>
		TX ESL	ST ESL	50 ug/m <sup>3</sup>
		TX ESL	AN ESL	5 ug/m <sup>3</sup>
		TX ESL	AN ESL	5 ug/m <sup>3</sup>
		OES BCS*	TWA	0.01 mg/m <sup>3</sup>
Glycerine	56-81-5	ACGIH	TWA	10 mg/m <sup>3</sup>
		OSHA Z1	PEL	15 mg/m <sup>3</sup>
		OSHA Z1	PEL	5 mg/m <sup>3</sup>
		OSHA Z1A	TWA	10 mg/m <sup>3</sup>
		OSHA Z1A	TWA	5 mg/m <sup>3</sup>
		TN OEL	TWA	10 mg/m <sup>3</sup>
		TN OEL	TWA	5 mg/m <sup>3</sup>
		TX ESL	ST ESL	1000 ug/m <sup>3</sup>
		TX ESL	AN ESL	5 ug/m <sup>3</sup>
		TX ESL	AN ESL	100 ug/m <sup>3</sup>
TX ESL	ST ESL	50 ug/m <sup>3</sup>		

\*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	white to beige
<b>Physical State</b>	Liquid



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<b>Odor</b>	slight
<b>pH</b>	5.8 - 6.8
<b>Vapor Pressure</b>	no data available
<b>Vapor Density (Air = 1)</b>	no data available
<b>Density</b>	1.00 g/cm <sup>3</sup>
<b>Evaporation rate</b>	no data available
<b>Boiling Point</b>	no data available
<b>Melting / Freezing Point</b>	no data available
<b>Water solubility</b>	soluble
<b>Minimum Ignition Energy</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Viscosity</b>	360 mPa.s

#### SECTION 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatibility</b>	no data available
<b>Hazardous Decomposition Products</b>	no data available
<b>Chemical Stability</b>	Stable under recommended storage conditions.

#### SECTION 11. TOXICOLOGICAL INFORMATION

Toxicology information can be obtained by calling the Product Use Information number on page 1.

<b>Acute oral toxicity</b>	female rat: LD50: > 5,000 mg/kg
<b>Acute dermal toxicity</b>	rat: LD50: > 5,000 mg/kg



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<b>Acute inhalation toxicity</b>	rat: LC50: > 2.03 mg/l
<b>Skin irritation</b>	rabbit: Slight irritation
<b>Eye irritation</b>	rabbit: Minimally irritating.
<b>Sensitisation</b>	guinea pig: Non-sensitizing.
<b>Chronic toxicity</b>	<p>Imidacloprid did not cause specific target organ toxicity in experimental animal studies.</p> <p>The toxic effects of beta-Cyfluthrin are related to transient hyperactivity typical for pyrethroid neurotoxicity.</p>

#### Assessment Carcinogenicity

Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.

beta-Cyfluthrin was not carcinogenic in lifetime feeding studies in rats and mice.

#### ACGIH

None.

#### NTP

None.

#### IARC

None.

#### OSHA

None.

**Reproductive toxicity** Imidacloprid caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Imidacloprid is related to parental toxicity.

beta-Cyfluthrin caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with beta-Cyfluthrin is related to parental toxicity.

**Developmental Toxicity** Imidacloprid caused developmental toxicity only at doses toxic to the dams. The developmental effects seen with Imidacloprid are related to maternal toxicity.

beta-Cyfluthrin caused developmental toxicity in only at dose levels toxic to the dams. The developmental effects seen with beta-Cyfluthrin are related to maternal toxicity.

**Mutagenicity** Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

beta-Cyfluthrin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.



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#### SECTION 12. ECOLOGICAL INFORMATION

**Environmental precautions** Do not allow to get into surface water, drains and ground water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent sites. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water.

Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

#### SECTION 13. DISPOSAL CONSIDERATIONS

**General Disposal Guidance** Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state/provincial and federal regulations. Never place unused product down any indoor or outdoor drain. Follow advice on product label and/or leaflet.

**Container Disposal** Follow advice on product label and/or leaflet. Do not puncture or incinerate container. Consult state and local regulations regarding the proper disposal of container.

**RCRA Information** Characterization and proper disposal of this material as a special or hazardous waste is dependent upon Federal, State and local laws and are the user's responsibility. RCRA classification may apply.

#### SECTION 14. TRANSPORT INFORMATION

According to national and international transport regulations this material is not classified as dangerous goods / hazardous material.

#### SECTION 15. REGULATORY INFORMATION

**EPA Registration No.** 432-1527

**US Federal Regulations**

**TSCA list**

Glycerine 56-81-5

**US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)**

None.

**SARA Title III - Section 302 - Notification and Information**

None.

**SARA Title III - Section 313 - Toxic Chemical Release Reporting**

Beta-Cyfluthrin 68359-37-5 1.0%

**US States Regulatory Reporting**



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#### CA Prop65

This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

#### US State Right-To-Know Ingredients

Beta-Cyfluthrin	68359-37-5	NJ
Glycerine	56-81-5	MN, RI

#### Canadian Regulations

##### Canadian Domestic Substance List

Glycerine	56-81-5
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#### Environmental

##### CERCLA

None.

##### Clean Water Section 307 Priority Pollutants

None.

##### Safe Drinking Water Act Maximum Contaminant Levels

None.

#### International Regulations

##### European Inventory of Existing Commercial Substances (EINECS)

Glycerine	56-81-5
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## SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):

Health - 1      Flammability - 1      Instability - 0      Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 1      Flammability - 1      Physical Hazard - 0      PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason for Revision: New Safety Data Sheet.

Revision Date: 10/15/2012

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